

# Medicine

Pre-Professional Advising  
(907) 474-7608 or 474-6396

Physicians serve a broad range of medical functions. They diagnose disease, prescribe treatment, supervise patient care and participate in the improved delivery of health services. Many physicians branch off into basic and applied medical research, teaching or administration.

Professional medical education consists of four years of graduate-level study. Typically, the first two years of medical school are composed of classroom instruction and laboratory work, and the second two years consist of clinical rotations. Medical school graduates may elect to continue their training in a one-year internship and/or a one- to three-year residency. The residency option is required in order to specialize in medicine.

Medical schools evaluate each applicant's overall academic achievement together with results of the Medical College Admission Test (MCAT). While medical schools do not require a specific undergraduate major, they generally expect applicants to have a foundation in biology, chemistry and physics. UAF courses that satisfy this are biology (BIOL 105X and 106X), chemistry (CHEM 103X and 104X, or 105X and 106X), organic chemistry with lab (CHEM 321, 322, and 324), and physics (PHYS 103X and 104X). Other science course work such as anatomy and physiology (BIOL 111X and 112X), as well as a background in the social sciences and humanities, is not usually required for admission but can strengthen a pre-med curriculum. Medical schools will consider applicants for admission after their third year of undergraduate work, but most entering medical students have completed a bachelor's degree.

Students who are considering medicine as a career choice should contact the dean of the College of Natural Science and Mathematics or the Academic Advising Center. An academic advisor will help the student with pre-med program advisement, exploration of professional schools and licensing requirements, and financial planning. See [www.uaf.edu/advising/degree/preprof/medicine.html](http://www.uaf.edu/advising/degree/preprof/medicine.html) for more information.

## Baccalaureate Core Requirements

All degrees (e.g. B.A., B.S., etc.) require additional courses.  
Refer to specific degree and program requirements.

### COMMUNICATION (9)

**Complete the following:**

ENGL 111X ..... (3) \_\_\_\_\_  
*ENGL 190H may be substituted.*

**Complete one of the following:**

ENGL 211X OR ENGL 213X ..... (3) \_\_\_\_\_

**Complete one of the following:**

COMM 131X OR COMM 141X ..... (3) \_\_\_\_\_

### PERSPECTIVES ON THE HUMAN CONDITION (18)

**Complete all of the following four courses:**

ANTH 100X/SOC 100X ..... (3) \_\_\_\_\_  
ECON 100X OR PS 100X ..... (3) \_\_\_\_\_  
HIST 100X ..... (3) \_\_\_\_\_  
ENGL/FL 200X ..... (3) \_\_\_\_\_

**Complete one of the following three courses:**

ART/MUS/THR 200X, HUM 201X OR ANS 202X ..... (3) \_\_\_\_\_

**Complete one of the following six courses:**

BA 323X, COMM 300X, JUST 300X, NRM 303X,  
PS 300X OR PHIL 322X ..... (3) \_\_\_\_\_

**OR complete 12 credits from the above courses PLUS**

- two semester-length courses in a single Alaska Native language or other non-English language OR
- three semester-length courses (9 credits) in American Sign Language taken at the university level.

### MATHEMATICS (3)

**Complete one of the following:**

MATH 103X, MATH 107X, MATH 161X OR STAT 200X ..... (3-4) \_\_\_\_\_  
*\* No credit may be earned for more than one of MATH 107X or 161X.*

**OR complete one of the following:\***

MATH 200X, MATH 201X, MATH 202X,  
MATH 262X OR MATH 272X ..... (4) \_\_\_\_\_

*\*Or any math course having one of these as a prerequisite*

### NATURAL SCIENCES (8)

**Complete any two (4-credit) courses:**

ATM 101X ..... (4) \_\_\_\_\_  
BIOL 100X ..... (4) \_\_\_\_\_  
BIOL 103X ..... (4) \_\_\_\_\_  
BIOL 104X ..... (4) \_\_\_\_\_  
BIOL 105X ..... (4) \_\_\_\_\_  
BIOL 106X ..... (4) \_\_\_\_\_  
BIOL 111X ..... (4) \_\_\_\_\_  
BIOL 112X ..... (4) \_\_\_\_\_  
CHEM 100X ..... (4) \_\_\_\_\_  
CHEM 103X ..... (4) \_\_\_\_\_  
CHEM 104X ..... (4) \_\_\_\_\_  
CHEM 105X ..... (4) \_\_\_\_\_  
CHEM 106X ..... (4) \_\_\_\_\_  
GEOG 205X ..... (4) \_\_\_\_\_  
GEOS 100X ..... (4) \_\_\_\_\_  
GEOS 101X ..... (4) \_\_\_\_\_  
GEOS 112X ..... (4) \_\_\_\_\_  
GEOS 120X ..... (4) \_\_\_\_\_  
GEOS 125X ..... (4) \_\_\_\_\_  
MSL 111X ..... (4) \_\_\_\_\_  
PHYS 102X ..... (4) \_\_\_\_\_  
PHYS 103X ..... (4) \_\_\_\_\_  
PHYS 104X ..... (4) \_\_\_\_\_  
PHYS 115X ..... (4) \_\_\_\_\_  
PHYS 116X ..... (4) \_\_\_\_\_  
PHYS 175X ..... (4) \_\_\_\_\_  
PHYS 211X ..... (4) \_\_\_\_\_  
PHYS 212X ..... (4) \_\_\_\_\_  
PHYS 213X ..... (4) \_\_\_\_\_

### LIBRARY AND INFORMATION RESEARCH (0-1)

Successful completion of library skills competency test OR  
LS 100X or 101X prior to junior standing ..... (0-1) \_\_\_\_\_

### UPPER-DIVISION WRITING AND ORAL COMMUNICATION (0)

**Complete the following:**

Two writing intensive courses designated (W) ..... (0) \_\_\_\_\_  
One oral communication intensive course designated (O) ..... (0) \_\_\_\_\_  
**OR** two oral communication intensive courses designated (O/2), at the upper-division level (see degree and/or major requirements) ..... (0) \_\_\_\_\_

**TOTAL CREDITS REQUIRED.....38-39**